

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 15838-185001	Application No. 09/418,237
	Applicant John H. Mackay et al.		
	Filing Date October 14, 1999	Group Art Unit 1734	

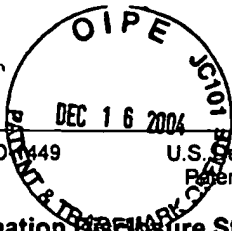
U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
SP	A1	3,758,661	09/11/1973	Yamamoto et al.	/	/	
SP	A2	5,516,563	05/14/1996	Schumann et al.	/	/	

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
SP	B1	EP 0 069 297	01/12/1983	EPO			N/A	
SP	B2	JP 48-60774 Original Document plus English Abstract	08/25/1973	Japan	/	/	Abstract Only	
SP	B3	Original Document plus English Abstract JP 55-110141	08/25/1980	Japan	/	/	Abstract Only	
SP	B4	Original Document plus English Abstract JP 58-129034	08/01/1983	Japan	/	/	Abstract Only	
SP	B5	Original Document plus English Abstract JP 61-009448	01/17/1986	Japan	/	/	Abstract Only	
SP	B6	Original Document plus English Abstract JP 61-284439	12/15/1986	Japan	/	/	Abstract Only	
SP	B7	Original Document plus English Abstract JP 62-009842	01/17/1987	Japan	/	/	Abstract Only	
SP	B8	Original Document plus English Abstract JP 62-169642	07/25/1987	Japan	/	/	Abstract Only	
SP	B9	Original Document plus English Abstract JP 62-176843	08/03/1987	Japan	/	/	Abstract Only	

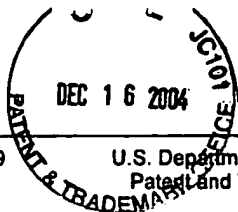
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SP	B10	Original Document plus English Abstract JP 62-179543	08/06/1987	Japan	—	—	Abstract Only	
SP	B11	Original Document plus English Abstract JP 62-282003	12/07/1987	Japan	—	—	Abstract Only	
SP	B12	Original Document plus English Abstract JP 1-144431	06/06/1989	Japan	—	—	Abstract Only	
SP	B13	Original Document plus English Abstract JP 2-036938	02/06/1990	Japan	—	—	Abstract Only	
SP	B14	Original Document plus English Abstract JP 3-221540	09/30/1991	Japan	—	—	Abstract Only	
SP	B15	Original Document plus English Abstract JP 7-118431	05/09/1995	Japan	—	—	Abstract Only	
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SP	B17	Original Document plus English Abstract FR 2074338	09/06/1971	France	—	—	Abstract Only	
SP	B18	Original Document plus English Abstract FR 2446176	09/12/1980	France	—	—	Abstract Only	
SP	B19	Original Document plus English Abstract DE 3850987	09/15/1994	Germany	—	—	Abstract Only	
SP	B20	Original Document plus English Abstract DE 3436065	04/17/1986	Germany	—	—	Abstract Only	

Examiner Signature <i>Joe R</i>	Date Considered 5/24/05
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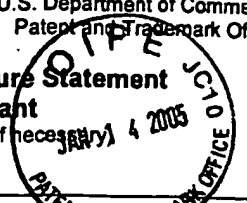


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							Yes	No
<i>SP</i>	B21	Original Document plus English Abstract DE 3233693	03/15/1984	Germany	<i>-</i>	<i>-</i>	Abstract Only	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	C1	
	C2	
	C3	
	C4	

Examiner Signature <i>Sam B</i>	Date Considered <i>5/24/05</i>
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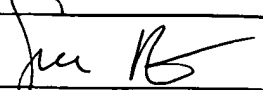
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
SP	A1	4,829,096	05/09/1989	Kitamura et al.			
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✓	A16	H2000 H	11/06/2001	Middlesworth et al.			

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							Yes	No
SP	B1	EP 0 159 102 A1	10/23/1985	EPO			N/A	
SP	B2	EP 0 309 073 A2	03/29/1989	EPO			N/A	
SP	B3	WO 84/02707	07/19/1984	WIPO			N/A	

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
SP	C1	Notification of Transmittal of the International Search Report or the Declaration (3 pages) and International Search Report (3 pages) for PCT/US 99/23856 dated January 24, 2000

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	A3						

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							Yes	No
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SP	B2	DE 4 311 422	10/13/1994	Germany	—	—	Abstract Only	
SP	B3	JP 57-117038	07/21/1982	Japan	—	—	Abstract Only	
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SP	B5	JP 64-49619 (JP 10-49619)	02/27/1989	Japan	—	—	Abstract Only	
	B6	JP 64-79620 (JP 10-79620)	03/24/1989	Japan	—	—	Abstract Only	
	B7	JP 1-235439	09/20/1989	Japan	—	—	Abstract Only	
	B8	JP 1-264031	10/20/1989	Japan	—	—	Abstract Only	
	B9	JP 62-179543	08/06/1987	Japan	—	—	Abstract Only	
	B10	PL 175038 B1	02/03/1994	Poland	—	—	Abstract Only	

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